

checkCIF/PLATON report

Structure factors have been supplied for datablock(s) GM50_22_0m_CIF

THIS REPORT IS FOR GUIDANCE ONLY. IF USED AS PART OF A REVIEW PROCEDURE FOR PUBLICATION, IT SHOULD NOT REPLACE THE EXPERTISE OF AN EXPERIENCED CRYSTALLOGRAPHIC REFEREE.

No syntax errors found. CIF dictionary Interpreting this report

Datablock: GM50_22_0m_CIF

Bond precision: C-C = 0.0050 Å Wavelength=0.71073

Cell: a=10.2795(3) b=11.8100(3) c=18.7503(4)
 alpha=98.070(2) beta=103.124(2) gamma=106.865(2)
Temperature: 296 K

	Calculated	Reported
Volume	2068.90(10)	2068.90(10)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	C48 H39 Ag N2 O2 P, B F4	?
Sum formula	C48 H39 Ag B F4 N2 O2 P	C48 H39 Ag B F4 N2 O2 P
Mr	901.46	901.46
Dx, g cm ⁻³	1.447	1.447
Z	2	2
Mu (mm ⁻¹)	0.586	0.586
F000	920.0	920.0
F000'	918.82	
h, k, lmax	12, 14, 22	12, 14, 22
Nref	7284	7274
Tmin, Tmax	0.857, 0.900	0.621, 0.746
Tmin'	0.768	

Correction method= # Reported T Limits: Tmin=0.621 Tmax=0.746
AbsCorr = MULTI-SCAN

Data completeness= 0.999 Theta(max)= 24.997

R(reflections)= 0.0324(5969)	wR2(reflections)= 0.0790(7274)
S = 1.052	Npar= 534

The following ALERTS were generated. Each ALERT has the format

test-name_ALERT_alert-type_alert-level.

Click on the hyperlinks for more details of the test.



Alert level C

PLAT241_ALERT_2_C	High	'MainMol' Ueq as Compared to Neighbors of	C41	Check
PLAT260_ALERT_2_C	Large	Average Ueq of Residue Including F1	0.115	Check
PLAT910_ALERT_3_C	Missing	# of FCF Reflection(s) Below Theta(Min).	8	Note
PLAT911_ALERT_3_C	Missing	FCF Refl Between Thmin & STh/L= 0.595	2	Report



Alert level G

PLAT154_ALERT_1_G	The s.u.'s on the Cell Angles are Equal ..(Note)	0.002	Degree
PLAT244_ALERT_4_G	Low 'Solvent' Ueq as Compared to Neighbors of	B1	Check
PLAT883_ALERT_1_G	No Info/Value for _atom_sites_solution_primary .	Please Do !	
PLAT899_ALERT_4_G	SHELXL2018 is Deprecated and Succeeded by SHELXL	2019/3	Note
PLAT909_ALERT_3_G	Percentage of I>2sig(I) Data at Theta(Max) Still	65%	Note
PLAT933_ALERT_2_G	Number of HKL-OMIT Records in Embedded .res File	3	Note
PLAT961_ALERT_5_G	Dataset Contains no Negative Intensities	Please Check	
PLAT967_ALERT_5_G	Note: Two-Theta Cutoff Value in Embedded .res ..	50.0	Degree
PLAT978_ALERT_2_G	Number C-C Bonds with Positive Residual Density.	2	Info

- 0 **ALERT level A** = Most likely a serious problem - resolve or explain
0 **ALERT level B** = A potentially serious problem, consider carefully
4 **ALERT level C** = Check. Ensure it is not caused by an omission or oversight
9 **ALERT level G** = General information/check it is not something unexpected
- 2 ALERT type 1 CIF construction/syntax error, inconsistent or missing data
4 ALERT type 2 Indicator that the structure model may be wrong or deficient
3 ALERT type 3 Indicator that the structure quality may be low
2 ALERT type 4 Improvement, methodology, query or suggestion
2 ALERT type 5 Informative message, check
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It is advisable to attempt to resolve as many as possible of the alerts in all categories. Often the minor alerts point to easily fixed oversights, errors and omissions in your CIF or refinement strategy, so attention to these fine details can be worthwhile. In order to resolve some of the more serious problems it may be necessary to carry out additional measurements or structure refinements. However, the purpose of your study may justify the reported deviations and the more serious of these should normally be commented upon in the discussion or experimental section of a paper or in the "special_details" fields of the CIF. checkCIF was carefully designed to identify outliers and unusual parameters, but every test has its limitations and alerts that are not important in a particular case may appear. Conversely, the absence of alerts does not guarantee there are no aspects of the results needing attention. It is up to the individual to critically assess their own results and, if necessary, seek expert advice.

Publication of your CIF in IUCr journals

A basic structural check has been run on your CIF. These basic checks will be run on all CIFs submitted for publication in IUCr journals (*Acta Crystallographica*, *Journal of Applied Crystallography*, *Journal of Synchrotron Radiation*); however, if you intend to submit to *Acta Crystallographica Section C* or *E* or *IUCrData*, you should make sure that full publication checks are run on the final version of your CIF prior to submission.

Publication of your CIF in other journals

Please refer to the *Notes for Authors* of the relevant journal for any special instructions relating to CIF submission.

